

TITLE OF NEW VARIETY
GRAPEVINE DENOMINATED "BLANC SEEDLESS"

CROSS-REFERENCE TO RELATED APPLICATIONS

Not applicable.

**STATEMENT REGARDING FEDERALLY SPONSORED
RESEARCH OR DEVELOPMENT**

Not Applicable.

SPECIFICATION

BACKGROUND OF THE NEW VARIETY

The present invention relates to a new and distinct variety of grapevine, which will hereinafter be denominated varietally as the "BLANC SEEDLESS" grapevine, and, more particularly, to a grapevine which is large, vigorous and productive, the fruit of which is mature for commercial harvesting and shipment in mid October in the San Joaquin Valley of central California.

The "Thompson Seedless" grapevine, particularly when viewed from a historical vantage point, is one of the most commercially successful grapevines to have been discovered and commercialized. The San Joaquin Valley of central California, one of the most productive areas of the world for grapevine borne crops, has seen plantings of many thousands of acres of this variety over many decades. In some respects, it is the commercial standard by which many other varieties are judged. Nonetheless, there have been many subsequently discovered, commercially successful varieties of grapevines.

With these considerations in mind, it is always a desire in experimentation to discover new grapevine varieties which have improved characteristics relative to prior successful varieties. For example, the objective may be to discover a new variety which has the attractive characteristics of the prior variety, but which may be distinct therefrom in certain respects, such as the ripening date. In this example, the extension of the market for such fruit resulting from the existence of a different ripening date enhances the market value of the fruit produced thereby, in some instances for both varieties.

The grapevine of the present invention has many of the attractive characteristics of prior commercially successful varieties, while possessing distinctive qualities which make it uniquely appealing.

ORIGIN AND ASEXUAL REPRODUCTION OF THE NEW VARIETY

The present variety of grapevine hereof, *Vitis vinifera*, was discovered by the inventor in a grapevine breeding program initiated in 1992 in a vineyard which is located near Delano, in the San Joaquin Valley of central California. The grapevine of the present invention was discovered in a cross breeding of the "Red Globe" grapevine and the "Crimson" grapevine, both commercially successful varieties of grapevines producing red fruit and with complex parentage grown in California. Throughout the season, the newly discovered variety, evidenced that the fruit produced therefrom is seedless, and the grapevine slightly resembles a large "Thompson Seedless" grapevine. However, the fruit produced thereby has a much later ripening date. The present variety has very distinctive

quality characteristics, relative to other known varieties and can be distinguished therefrom in a number of other important respects which may be summarized in part as producing a table grape of outstanding size relative to other seedless varieties and with a delayed period of ripening.

In 1998, the present variety was successfully grafted, for asexual reproduction, on mature "Thompson Seedless" grapevine root stock and planted in the aforesaid vineyard. The inventor monitored the asexually reproduced grapevines of the instant variety and confirmed that, in all respects, the asexually reproduced grapevines were identical to the original grapevine of the new variety.

SUMMARY OF THE NEW VARIETY

The grapevine denominated "BLANC SEEDLESS" is characterized by producing large, generally white, or light green, seedless berries which are ripe for commercial harvesting and shipment in approximately mid October in the San Joaquin Valley of central California. The new variety is, perhaps, most closely similar to the "Thompson Seedless" grapevine, but is distinguished therefrom in a number of respects, including the aforementioned ripening date. The fruit is firm, has a mild flavor, good eating quality and an apparent resistance to adverse conditions.

BRIEF DESCRIPTION OF THE DRAWING

The drawing is a color photograph showing representative portions of the grapevine of the subject invention including a cluster of grapes with attached section of the cane or branch, and foliage disposed to show the under surface of the leaf thereof, a second leaf disposed to show the upper surface thereof, and two berries, or grapes, from the cluster, a first berry sectioned along the axis transverse to the longitudinal axis and laid open to expose the flesh and a second berry sectioned and laid open along the longitudinal axis to expose the flesh, together with a scale to indicate the relative sizes of the portions depicted in the photograph.

DETAILED DESCRIPTION

Referring more specifically to the botanical details of this new and distinct variety of grapevine, the following has been observed under the ecological conditions prevailing at the vineyard of origin which is located near Delano, California. All major color code designations are by reference to the Dictionary of Color, by Maerz and Paul. Common color names are also occasionally employed.

VINE

GENERALLY: Size – Large. Appearing as a bush.

Vigor – Vigorous.

Productive Capacity – Very productive with spur pruning. Tendency to produce a small secondary crop on current season's growth.

TRUNK: Size – Slender. Long split straps.

Color - Bark – Dark brown (8-E-11) – Medium brown under bark (7-C-12) India Tan.

Canes - Medium length and width (16-20 nodes).

Mature Canes – Color – Raw Sienna (13-L-10).

Nodes - Round, slightly enlarged. Lengths between the nodes is 76.2 millimeters (3 inches) to 127.0 millimeters (5 inches).

Shoots – Size - Medium to long.

Shoots – Length - 76.2 millimeters (3 inches) to 101.6 millimeters (4 inches).

Shoots – Shape - Circular to slightly flat.

Shoots – Contour - Smooth.

Tendrils – Numbers – Few.

Tendrils – Length – 101.6 millimeters (4 inches) to 203.2 millimeters (8 inches).

Tendrils – Location - Discontinuous.

Tendrils – Form - Bifurcated and trifurcated.

Tendrils – Texture - Smooth.

Buds – Shape - Slightly pointed.

Buds – Size - Medium.

Buds – Fruitfulness - Base mostly fruitful.

Bud Break - Near Delano, in the San Joaquin Valley of central California, in the end of March.

LEAVES

Size – Generally – Medium to large.

Density - Heavy.

Average Length – Mature Leaf – 101.6 millimeters (4 inches) to 152.4 millimeters (6 inches).

Texture – Upper Surface - Smooth.

Texture – Lower Surface - Glabrous.

Color – Dorsal – Dark green (24-L-7).

Color – Ventral – Light green (23-L-7).

Color – Leaf Vein – Midrib – Grape green (21-J-1).

Petiole – Length - 76.2 millimeters (3 inches) to 127.0 millimeters (5 inches), round or flattened.

Petiole Sinus - Form – U shaped, lateral sinus occasionally overlapping.

Lobe - Four pointed.

Marginal Form – Generally – Serrate, 10 to 14 per lobe.

Teeth – Size - Irregular.

Teeth – Number – 50 to 60.

Teeth – Shape - Pointed.

INFLORESCENCE

Size - Medium.

Number Borne Per Spur - Average two.

Number Borne Per Vine - 30 to 35 (16 spurs).

FLOWERS

Date of Bloom - May 5.

Date of Full Bloom - May 10 to May 12.

Date of Visible Berries Set - May 18.

Pistils - Color - Light green (22-L-4) Calla green.

Amount of Pollen - Abundant.

FRUIT

MATURITY WHEN DESCRIBED: Ripe for commercial harvesting and shipment approximately mid October near Delano, in the San Joaquin Valley of central California, about four weeks later than the "Thompson Seedless" grapevine and two to three weeks later than "Red Globe" grapevine and "Crimson" grapevine.

Solids - Sugar - 19.0%.

Acid - 0.464.

Sugar/Acid Ratio - 40.9.

Juice PH - 3.85 on October 3, 2000.

Seeds - None. Seedless.

Capstem - Pedicel - Strong.

Berry - Weight - 6 grams (0.21 ounces) to 8 grams (0.28 ounces).

Juice Color - Colorless.

SIZE: Cluster - Generally – Medium to large.

Cluster – Weight - Average one pound.

Compactness - Loose to compact.

Cluster – Form - Conical shouldered.

Berry – Size - Medium to large.

Berry – Form - Mostly uniform.

Berry – Size - Dimensions Longitudinal Axis - 20 millimeters (0.8 inches) to 25 millimeters (1 inch).

Berry – Size – Diameter Axis - 14 millimeters (0.56 inches) to 16 millimeters (0.64 inches).

Berry – Numbers - 100 to 140 per cluster.

Form – Ellipsoidal elongated.

SKIN: Thickness – Thick.

Texture – Firm.

Tendency to Crack – None.

Color – Light green (21-K-2) and amber yellow (10-J-3) on exposed berries.

Pulp - Adheres to skin.

Lenticels - One small, round pore like in distal end.

FLESH:

Flavor – Sweet, mild.

Texture – Crisp, firm.

Eating Quality – Good.

USE: Dessert.

KEEPING QUALITY: After two months in the storage, still in good appearance.

RESISTANCE TO DISEASE: Unknown.

RESISTANCE TO: Cold, drought, heat and wind.

SHIPPING AND HANDLING QUALITIES: Untested.

Although the new variety of grapevine possesses the described characteristics noted above as a result of the growing conditions prevailing near Delano, in the central part of the San Joaquin Valley of California, it is to be understood that variations of the usual magnitude and characteristics incident to changes in growing conditions, irrigation, fertilization, pruning, pest control, climatic variations and the like are to be expected.